

**CPC****COOPERATIVE PATENT CLASSIFICATION****B43K**

**IMPLEMENTS FOR WRITING OR DRAWING** (containers, casings or accessories for cosmetic substances, e.g. shaving soap, lipstick, make-up [A45D 34/00](#), [A45D 40/00](#))

**NOTE**

In this subclass, the following expression is used with the meaning indicated:-"writing implements" covers pens, pencils, crayons, chalks or like markers for writing or drawing

**Guide heading:****B43K 1/00**

**Nibs** (continuously adjustable nibs [B43K 17/00](#))  
**Writing-points** (for indicating or recording apparatus [G01D 15/16](#))

## B43K 1/003

. {Capillary nibs }

## B43K 1/006

. {Porous nibs ([B43K 1/12](#) takes precedence) }

## B43K 1/01

. with ink reservoirs, e.g. funnel-shaped

## B43K 1/015

.. {Funnel-shaped reservoirs }

## B43K 1/02

. Split nibs

## B43K 1/04

.. with broadened tips

## B43K 1/06

. Tubular writing-points

## B43K 1/08

. with ball points  
 Balls or ball beds { ([B43M 11/085](#) takes precedence) }

## B43K 1/082

.. {Balls }

## B43K 1/084

.. {Ball beds }

## B43K 1/086

.. {with resilient supporting means for the ball, e.g. springs }

## B43K 1/088

... {with an intermediate element between the resilient supporting means and the ball }

## B43K 1/10

. Wire nibs

## B43K 1/12

. Writing-points comprising fibres  
 Felt pads

**B43K 3/00**

**Nib holders** (holders for continuously adjustable nibs [17/00](#))

## B43K 3/005

. {Nib pinchers }

B43K 3/02 . with ink guards

B43K 3/04 . with retractable nibs (mechanisms for retracting or locking nibs [B43K 24/00](#))

**B43K 5/00** **Pens with ink reservoirs in holders, e.g. fountain-pens** (nibs or writing-points with ink reservoirs [B43K 1/01](#); ball-point pens [B43K 7/00](#); pens with writing-points other than nibs or balls [B43K 8/00](#); multiple-point writing implements [B43K 27/00](#))

B43K 5/005 . {Pen barrels }

B43K 5/02 . Ink reservoirs

B43K 5/025 . . {with multiple colours }

B43K 5/03 . . specially adapted for concentrated ink, e.g. solid ink

B43K 5/04 . . flexible

B43K 5/06 . . with movable pistons {for withdrawing ink from an ink-receptacle ([B43K 5/1818](#) takes precedence) }

B43K 5/08 . . . with ink-supplying valves { ([B43K 5/145](#) takes precedence) }

B43K 5/10 . . with reserve ink chambers

B43K 5/12 . . with ink-level inspection means

B43K 5/14 . . Exchangeable ink cartridges

B43K 5/145 . . . {with valves }

B43K 5/16 . with retractable nibs (mechanisms for retracting or locking nibs [B43K 24/00](#))

B43K 5/165 . . {with detachable means, e.g. caps, co-operating with the writing element }

B43K 5/17 . . with closing means { ([B43K 5/165](#) takes precedence) }

B43K 5/18 . Arrangements for feeding the ink to the nibs

B43K 5/1809 . . {Feed bars }

B43K 5/1818 . . {Mechanical feeding means, e.g. valves; Pumps }

B43K 5/1827 . . . {Valves }

B43K 5/1836 . . . . {automatically closing }

B43K 5/1845 . . . . . {opened by actuation of the writing point (nibs with ball points with resilient supporting means, e.g. acting as a valve [B43K 1/086](#)) }

B43K 5/1854 . . . . . {mounted on ink-cartridges }

B43K 5/1863 . . . . . {opened by actuation of the rear-side of the pen }

B43K 5/1872 . . . . . {mounted on ink-cartridges }

B43K 5/1881 . . . . . {when the writing point points upwards }

B43K 5/189 . . . {Pumps }

**B43K 7/00** **Ball-point pens** ( {[B43M 11/085](#) takes precedence }; multiple-point writing implements [B43K 27/00](#))

B43K 7/005 . { Pen barrels }

B43K 7/01 . for low viscosity liquid ink

- B43K 7/02
  - . Ink reservoirs
  - Ink cartridges ([B43K 7/01](#) takes precedence)
- B43K 7/03
  - .. pressurised, e.g. by gas
- B43K 7/035
  - ... the gas acting on a piston
- B43K 7/04
  - .. Arrangements for filling the reservoirs, e.g. arrangements at the ball-point ends
- B43K 7/06
  - .. Reservoirs with ink-level inspection means
- B43K 7/08
  - .. Preventing leakage
- B43K 7/10
  - . Arrangements for feeding ink to the ball points ([B43K 7/01](#) takes precedence)
- B43K 7/105
  - .. {Feed bars }
- B43K 7/12
  - . with retractable ball points ([mechanisms for retracting or locking ball points B43K 24/00](#))
- B43K 8/00**
  - Pens with writing-points other than nibs or balls** ([brushes with reservoir for supplying substances A46B 11/00](#))
- B43K 8/003
  - . N: Pen barrels]
- B43K 8/006
  - . {using a spraying system, e.g. airbrushes }
- B43K 8/02
  - . with writing-points comprising fibres, felt, or similar porous or capillary material ([B43K 8/22](#) takes precedence)
- B43K 8/022
  - .. {with writing-points comprising fibres }
- B43K 8/024
  - .. {with writing-points comprising felt }
- B43K 8/026
  - .. {with writing-points comprising capillary material }
- B43K 8/028
  - .. { Movable closure or gate }
- B43K 8/03
  - .. Ink reservoirs
  - Ink cartridges
- B43K 8/04
  - .. Arrangements for feeding ink to writing-points
- B43K 8/06
  - ... Wick feed from within reservoir to writing-points
- B43K 8/08
  - .... Wick separate from writing-points
- B43K 8/10
  - ... including compartment for soluble solid material
- B43K 8/12
  - ... writing-points or writing-point units being separable from reservoir
- B43K 8/14
  - . with coreless tubular writing-points
- B43K 8/143
  - .. {Arrangements for feeding the ink to the writing-points }
- B43K 8/146
  - .. {Ink cartridges, ink reservoirs }
- B43K 8/16
  - . with tubular writing-points comprising a movable cleaning element
- B43K 8/165
  - .. {Ink cartridges, ink reservoirs }
- B43K 8/18
  - .. Arrangements for feeding the ink to the writing-points
- B43K 8/20
  - . with roller writing-points
- B43K 8/22
  - . with electrically or magnetically activated writing-points

- B43K 8/24
  - . characterised by the means for retracting writing-points
- B43K 11/00**      **Filling devices** (ink receptacles [B43L 25/00](#))
- B43K 11/005
  - . {for refilling capillary reservoirs }
- B43K 13/00**      **Devices for removing nibs**  
**Devices for cleaning nibs, e.g. by wiping** (ink receptacles with pen-wiping means [B43L 25/12](#))
- B43K 13/005
  - . {for extracting nibs }
- B43K 13/02
  - . for cleaning nibs, e.g. ink reservoirs therein
- B43K 15/00**      **Assembling, finishing, or repairing pens**
- B43K 15/02
  - . Automatic machines
- B43K 17/00**      **Continuously-adjustable nibs, e.g. for drawing-pens**  
**Holders therefor** (features common to fountain pens [B43K 5/00](#))
- B43K 17/005
  - . {continuously-adjustable nibs }
- B43K 17/01
  - . Nibs with ink reservoirs
- B43K 17/02
  - . Nibs having more than two legs
- B43K 17/04
  - . Holders with arrangements for drawing dotted lines
- B43K 19/00**      **Non-propelling pencils**  
**Styles**  
**Crayons**  
**Chalks** (batik pencils, cord-line chalkers [B44D 3/00](#); writing-core compositions for pencils, crayon compositions, chalk compositions [C09D 13/00](#))
- B43K 19/003
  - . {Chalks }
- B43K 19/006
  - . {with single short leads }
- B43K 19/02
  - . Pencils with graphite  
Coloured pencils
- B43K 19/04
  - . Pencils with metallic writing-core
- B43K 19/06
  - .. the writing-core being made from substance wearing off during use
- B43K 19/08
  - .. the writing-core being made from wear-resistant substances
- B43K 19/10
  - ... equipped with ball-point (using ink [B43K 1/08](#), [B43K 7/00](#))

- B43K 19/12 . Slate pencils
- B43K 19/14 . Sheathings
- B43K 19/145 . . {with paper sheaths }
- B43K 19/16 . Making non-propelling pencils (making slate-pencil writing-cores [B28D](#) )
- B43K 19/18 . . Making pencil writing-cores
- B43K 21/00** **Propelling pencils** (projecting mechanisms for writing units [B43K 24/00](#); multiple-point writing implements [B43K 27/00](#))
- B43K 21/003 . {with lead sections or lead cartridges }
- B43K 21/006 . {Pencil-barrels }
- B43K 21/02 . Writing-core feeding mechanisms
- B43K 21/027 . . with sliding tubelike writing-core guide
- B43K 21/033 . . . with automatic feed by pressure during use of pencil
- B43K 21/04 . . with the writing-cores brought into position by gravity
- B43K 21/045 . . . {with writing-cores automatically replaced from magazines }
- B43K 21/06 . . with the writing-cores fed by means sliding in longitudinally-slotted casings
- B43K 21/08 . . with the writing-cores fed by screws
- B43K 21/085 . . . {with a threaded propelling shank }
- B43K 21/10 . . . with separate writing-core remnants ejecting-bar
- B43K 21/12 . . . with means preventing over-winding
- B43K 21/14 . . . with writing-cores automatically replaced from magazines
- B43K 21/16 . . with stepwise feed of writing-cores
- B43K 21/18 . . . having ratchet means
- B43K 21/20 . . . with writing-cores automatically replaced from magazines
- B43K 21/22 . . Writing-core gripping means, e.g. chucks
- B43K 21/24 . Assembling, finishing, or repairing propelling pencils (making pencil writing-cores [B43K 19/18](#))
- B43K 21/26 . . Automatic machines
- B43K 23/00** **Holders or connectors for writing implements**  
**Means for protecting the writing-points** { ([B43K 27/003](#) takes precedence) }
- B43K 23/001 . {Supporting means (bracelets with means for attaching a writing instrument or a memo pad [A44C 5/0046](#)) }
- B43K 23/002 . . {with a fixed base }
- B43K 23/004 . Holders specially adapted for assisting handicapped or disabled persons to write ([B43L 15/00](#) takes precedence)
- B43K 23/008 . Holders comprising finger grips ([B43K 23/004](#), [B43K 23/012](#) take precedence)

- B43K 23/012 . Holders for attachment to finger tips ([B43K 23/004](#) takes precedence)
- B43K 23/016 . Holders for crayons or chalks ([B43K 23/004](#) to [B43K 23/012](#), [B43K 23/02](#) take precedence)
- B43K 23/02 . with means for preventing rolling ([B43K 23/004](#) to [B43K 23/012](#) take precedence)
- B43K 23/04 . . enabling the writing implement to be set upright
- B43K 23/06 . Means for connecting two or more writing implements
- B43K 23/08 . Protecting means, e.g. caps
- B43K 23/10 . . for pencils
- B43K 23/12 . . for pens { (caps co-operating with retractable nibs [B43K 5/165](#)) }
- B43K 23/122 . . . {with means for preventing choking }
- B43K 23/124 . . . . {comprising an air passage }
- B43K 23/126 . . . {with clips }
- B43K 23/128 . . . {with spring means }

**B43K 24/00****Mechanisms for selecting, projecting, retracting or locking writing units**

- B43K 24/02 . for locking a single writing unit in only fully projected or retracted positions
- B43K 24/023 . . {with a deformable barrel }
- B43K 24/026 . . {with a sleeve sliding on the forward end of the lead }
- B43K 24/03 . . operated by flicking or tilting
- B43K 24/04 . . operated by means sliding in longitudinally-slotted casings
- B43K 24/06 . . operated by turning means
- B43K 24/08 . . operated by push-buttons
- B43K 24/082 . . . {placed on the side }
- B43K 24/084 . . . {with saw-like or analogous cams }
- B43K 24/086 . . . {with heart-shaped cams, balls }
- B43K 24/088 . . . {with spreading spring means }
- B43K 24/10 . for selecting, projecting and locking several writing units
- B43K 24/12 . . operating by means sliding in longitudinally-slotted casings
- B43K 24/14 . . operated by turning means
- B43K 24/143 . . . {with two-way threads }
- B43K 24/146 . . . {with cam control }
- B43K 24/16 . . operated by push-buttons
- B43K 24/163 . . . {with one push-button for each writing unit }
- B43K 24/166 . . . {selection by gravity with a pendulum or the like }
- B43K 24/18 . . and for feeding the writing-cores
- B43K 24/183 . . . {with push-buttons }
- B43K 24/186 . . . {with a revolving barrel }

<b>B43K 25/00</b>	<b>Attaching writing implements to wearing apparel or objects involving constructional changes of the implements</b> (protecting means, e.g. caps <a href="#">B43K 23/08</a> ; garment-holding devices <a href="#">A44B 21/00</a> ; fastening articles to wearing apparel <a href="#">A45F 5/02</a> )
B43K 25/02	. Clips
B43K 25/022	.. {attached to a pen cap }
B43K 25/024	.. {detachably secured to the writing tool }
B43K 25/026	.. {combined with other objects }
B43K 25/028	.. {combined with means for propelling, projecting or retracting the writing unit }
<b>B43K 27/00</b>	<b>Multiple-point writing implements, e.g. multicolour</b>
	<b>Combinations of writing implements</b> ( <a href="#">B43K 29/00</a> takes precedence; mechanisms for selecting, projecting, retracting or locking writing units <a href="#">B43K 24/00</a> ; multiple writing devices with pantographic linkages <a href="#">B43L 13/12</a> )
B43K 27/003	. {only one holder being used either for the pencil or the pen }
B43K 27/006	. { Pen or pencil barrels }
B43K 27/02	. Combinations of pens and pencils
B43K 27/04	. Combinations of pencils (writing-core feed mechanisms <a href="#">B43K 21/02</a> )
B43K 27/08	. Combinations of pens
B43K 27/12	.. of ball-point pens
<b>B43K 29/00</b>	<b>Combinations of writing implements with other articles</b>
B43K 29/001	. {with compasses }
B43K 29/002	. {with chance games, e.g. dices, lottery numbers }
B43K 29/003	. {with optical equipment, e.g. magnifier, viewer }
B43K 29/004	. {with more than one object }
B43K 29/005	. {with sound or noise making devices, e.g. radio, alarm }
B43K 29/007	. with advertising means
B43K 29/013	. with stamping means
B43K 29/02	. with rubbers
B43K 29/04	. with blotters
B43K 29/05	. with applicators for eradicating- or correcting-liquid

- B43K 29/06
  - . with sharpening devices (with erasing knives [B43K 29/18](#); pocket knives with pencils [B26B](#) )
- B43K 29/08
  - . with measuring, computing or indicating devices
- B43K 29/087
  - . . for indicating time, e.g. with calendars or watches
- B43K 29/0875
  - . . . {with calendars }
- B43K 29/093
  - . . with calculators
- B43K 29/10
  - . with illuminating devices
- B43K 29/12
  - . with memorandum appliances (with book covers [B42D](#) )
- B43K 29/16
  - . with lighters
- B43K 29/18
  - . with hand tools, e.g. erasing knives (with pocket knives [B26B](#) )
- B43K 29/185
  - . . {with cheque protectors }
- B43K 29/20
  - . with other articles having storage compartments (with lighters [B43K 29/16](#); writing implements functioning as, or combined with, writing implement receptacles [B43K 31/00](#))
- B43K 31/00**

**Writing implement receptacles functioning as, or combined with, writing implements** (other writing implement receptacles [A45C 11/34](#), [A45C 11/36](#))
- B43K 31/005
  - . {Distributors for leads, cartridges and the like }